

Marked Up Version Showing Changes Made

In the Claims

1. (Amended) Stereoscopic device comprising:

a sensor assembly having an optical axis, for detecting a sequence of stereoscopic images of an object;

a movement detector, detecting [the] movements of said sensor assembly transverse to the optical axis, relative to said object; and

a processing unit connected to said sensor assembly and to said movement detector,

wherein said processing unit selects portions of said stereoscopic images, according to a signal received from said movement detector, thereby producing a visually stable sequence of display images.

4. (Amended) The stereoscopic device according to claim 2, wherein said visually stable sequence of display images comprises a plurality of sub-matrices, wherein each one of said sub-matrices is selected from a respective one of said stereoscopic images.

16. (Amended) The stereoscopic device according to claim 15, further comprising a controllable multi wavelength illumination unit, connected to said [controller] processing unit, said controllable multi wavelength illumination unit producing at least two alternating beams of light, each said beams of light characterized as being in a different range of wavelengths.

27. (Amended) The stereoscopic device according to claim [15] 26, wherein each of said sub-matrices is located at a distance equal to a respective one of said movements from an origin, in a direction opposite to said respective movement, relative to said origin.